

Date: Sat, 3 Apr 93 04:30:05 PST
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #88
To: packet-radio

Packet-Radio Digest Sat, 3 Apr 93 Volume 93 : Issue 88

Today's Topics:

 (Wanted) TNC Plan, Poor's man TNC plan
 ***** KA9Q NOS DOCUMENTATION ON ucsd.edu *****
 Bit-Regenerator
 Burning hex and logging software
 G3RUH modem
 ka9q ax25 sync transmission on multidrop
 Packet Program (tsr) PAX v2.85
PAX285.ZIP - Hams: Resident (TSR) packet radio terminal pgm
 PK-232 2400 baud and TAPR DCD MOD
 pmnos ver 1d (2 msgs)
Request: Modification instructions for Radio Shack HTX-202. (2 msgs)
RFD: rec.radio.amateur reorganization [discussion summary 3/31]
 UART identifier

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 2 Apr 93 15:50:04 GMT
From: news-mail-gateway@ucsd.edu
Subject: (Wanted) TNC Plan, Poor's man TNC plan
To: packet-radio@ucsd.edu

Hi,

I don't have 73's release about Poor's man packet TNC. Could someone
send me plans, diagrams to build the modem.
I search others plans, diagrams about simples modems to be connected with

a Macintosh with SoftKiss.

I need informations about the maximum rate of TX with softkiss.

If possible, send plans in GIF, Pict or TIFF.

Many thanks.

Pascal Beaujeant.

Computing Center

F.U.N.D.P.

Belgium

Date: Fri, 2 Apr 1993 20:11:33 GMT

From: pipex!slxsys!dircon!news@uunet.uu.net

Subject: ***** KA9Q NOS DOCUMENTATION ON ucsd.edu *****

To: packet-radio@ucsd.edu

=====
KA9Q: NOSview RELEASE [304]

=====
by Ian Wade, G3NRW

NOSview [304] is now available via FTP on

```
* * * * *
*   ucsd.edu:  /hamradio/packet/tcpip/nosview  *
* * * * *
```

Download the file:

```
* * * * *
*                               *
*   nosvw304.zip  *
*                               *
* * * * *
```

NOSview, first introduced in September 1991, is an on-line documentation and runtime package for the KA9Q Network Operating System (NOS). It contains:

+++++

*** probably the only complete reference work anywhere
that describes all of the commands to be found in the
major NOS releases.

- *** a TSR file viewer that lets you read the NOSview documentation on-line, without breaking out of NOS.
- *** NOSgas: the "NOS Get-Away Special" -- a complete set of working NOS runtime software, based on the PA0GRI 2.0m release.
- *** a complete set of templates for the NOS control files.
- *** full details on how to get the book "NOSintro", which describes in detail how TCP/IP works and how to use KA9Q NOS. Ideal for beginners to TCP/IP (and more advanced users will find many gems of helpful information there as well).

+++++

NOSview [304] contains many new documentation files, and the template NOS control files match the listings in the book "NOSintro".

Extras include

- UUENCODE/UUDECODE file conversion utilities
- AX.25 Baycom Packet Driver
- KISS protocol documentation
- HOSTS <> DOMAIN conversion programs
- PCElm and ELM Mailers
- The Clockwork VIEW TSR file viewer

As NOSVW304.ZIP is quite large (around 700 KB), you may prefer instead to get your copy by mailing a DOS-formatted diskette (any size EXCEPT 360 KB) and return mailer to:

Ian Wade, G3NRW
 7 Daubeney Close
 Harlington
 DUNSTABLE
 Bedfordshire
 LU5 6NF
 United Kingdom

Please enclose return postage as follows:

| | |
|-----------------|-------------------|
| United Kingdom: | UK postage stamps |
| Rest of Europe: | 3 IRCs |

The Americas, Africa: 7 IRCs
Rest of the World: 9 IRCs

(Any unused IRCs will of course be returned).

There is no charge for NOSview, so please do NOT enclose
any form of payment.

73 de Ian Wade, G3NRW

February 1993

P.S. If you would like full details of the book
"NOSintro", please email me direct:

ianwade @ dircon.co.uk

--

```
* * * * * | * * * * *
* Ian Wade | Email: ianwade @ dircon.co.uk. *
* Dowermain Ltd | g3nrw @ dircon.co.uk. *
* 7 Daubeney Close, Harlington, | AX.25: G3NRW @ GB7KHW.#21.GBR.EU *
```

Date: 2 Apr 93 18:56:08 GMT
From: news-mail-gateway@ucsd.edu
Subject: Bit-Regenerator
To: packet-radio@ucsd.edu

kf5mg@vnet.ibm.com writes:

>Anyone know anything about Bit-Regenerators? I'd like to find a
>circuit to put into a TNC-2 to make it a Bir-Regenerator.

There was an article on one of the ARRL Computer Networking Conference
proceedings a few years ago that described this. I seem to remember that
NJ7P and N700 were the authors.

Bob

Bob Nielsen, W6SWE Internet: w6swe@tapr.org
Tucson, AZ Amateur IP: 44.124.12.16
AX.25: w6swe@kc7cg.az.usa.na

Date: 2 Apr 93 16:26:02 -0600
From: cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!acs.ucalgary.ca!
cgate.sait.ab.ca!wridgewell@beaver.cs.washington.edu
Subject: Burning hex and logging software
To: packet-radio@ucsd.edu

In article <MAILQUEUE-101.930322153809.320@oak.shu.ac.uk>, J.R.Jagger@sheffield-hallam.ac.UK writes:

> Hi there, I've been trying to find some documentation on
> how and with what s/ware you burn in hex codes into an
> eprom, but with no success. Anyone know of anything to help?
>

Usually one has to purchase an "EPROM Programmer", this is a piece of hardware (a card for a PC and holder, or a standalone model) this equipment comes with software to control the programmer and burn the chips in question. They often will handle the variables like programming voltage, IC type, file format type (hex, binary, motorola ect..). Of course an indispensable tool to go with this is a Eprom eraser (unless you want to take the chips into a tanning bed with you :-)

Walter Ridgewell, Systems and Networks Administrator
Computer Services Department

| | |
|------------------------|-----------------------------------|
| Medicine Hat College | Internet: Ridgewell@ACD.MHC.AB.CA |
| 299 College Drive S.E. | Compuserve: 76666,2403 |
| Medicine Hat, Alberta | Packet: VE6CQL@VE6FRM.AB.CA |
| Canada T1A-3Y6 | Fax: (403) 529-2437 |
| | Phone: (403) 529-3807 |

"It is better to play than do nothing." Confucius

Date: Fri, 2 Apr 1993 13:00:45 +0000
From: pipex!demon!sobel.u-strasbg.fr!fred@uunet.uu.net
Subject: G3RUH modem
To: packet-radio@ucsd.edu

Hi,
I'm looking for the technical specifications of modems hidden behind the
'G3RUH-compatible' sigle.
Who knows where I could find it (electronic form would be great)?
Thanks in advance.
73 de Fred.

=====
Frederic PIERRE. ENSPS/LSIT 7 rue de l'universite F-67000 Strasbourg FRANCE

Tel: (33) 88 35 80 84 Fax: (33) 88 35 31 76 e-mail: fred@sobel.u-strasbg.fr
=====HamRadio: FC1HFD=====

Date: Fri, 2 Apr 1993 21:37:31 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!headwall.Stanford.EDU!
nntp.Stanford.EDU!aquarius.Stanford.EDU!br.pct@network.UCSD.EDU
Subject: ka9q ax25 sync transmission on multidrop
To: packet-radio@ucsd.edu

I am investigating to see if ka9q with attach (1)PI or (2)SCC AX25 can be used to drive a synchronous modems (up to 14.4k baud) network in a phone multidrop configuration, let the master drop be the router/gateway to Internet.

Has anyone use ka9q to drive synchronous modems instead of TNC yet??

Thanks for any INFO!!!

Date: Fri, 2 Apr 1993 19:35:19 GMT
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!udel!gvls1!
news@network.UCSD.EDU
Subject: Packet Program (tsr) PAX v2.85
To: packet-radio@ucsd.edu

I have uploaded to SIMTEL20

pd1:<msdos.packet>
PAX285.ZIP Hams: Resident (TSR) packet radio terminal pgm.

PAX (ver 2.85) is a resident terminal program written in assemble with a view towards keeping the code size small and occupying as little RAM as possible. It has most of the features of larger programs such as YAPP, yet only occupies 20.8K of memory in its default mode. It will communicate with two modems, has screen capture to disk, able to send text files, capture to printer, will set TNC clock from system, and many other features. The perfect program for someone who wants to check what's happening on packet while operating in other applications without exiting the application.

This program replaces PAX252.ZIP and is in ZIP2.0 format.

--
Ed Naratil

(All standard disclaimers apply)

ean@VFL.Paramax.COM

I have uploaded to WSMR-SIMTEL20.Army.Mil and OAK.Oakland.Edu:

PAX (ver 2.85) is a resident terminal program written in assemble with a view towards keeping the code size small and occupying as little RAM as possible. It has most of the features of larger programs such as YAPP, yet only occupies 20.8K of memory in its default mode. It will communicate with two modems, has screen capture to disk, able to send text files, capture to printer, will set TNC clock from system, and many other features. The perfect program for someone who wants to check what's happening on packet while operating in other applications without exiting the application.

This program replaces PAX252.ZIP and is in ZIP2.0 format.

Ed Naratil (All standard disclaimers apply)
Amateur Packet: w3bnr@N3LA.#epa.PA.USA.NA ean@VFL.Paramax.COM

Anyone out there run into this problem? I just had AEA install their 2400 baud modem upgrade in my PK-232. The unit has both the TAPR DCD state machine mod and the TAPR modem disconnect board.

The original functionality is fine, but when the new modem is selected, the state machine appears to be out of the picture, and the DCD doesn't work properly.

I'm in touch with AEA and TAPR but I wonder what the net.experience is with this, if any.

Thanks for any info. -Seth

```
=====
Internet: p00123@psilink.com                worknet: sethd@eng.dowjones.com
AX.25net: kc3il@wa3dsp.#epa.pa.usa.na
AMPR net: kc3il@wa3dsp.ampr.org
```

```
|-Internet to Packet gateway: bbs@w2xo.pgh.pa.us
|- w/ first line of message: sp kc3il@wa3dsp.#epa.pa.usa.na
```

```
Packet to Internet gateway: kc3il@w2xo.#wpa.pa.usa.na
```

```
=====
"It rainbow spiral around and around, it tremble and explode!"
=====
```

```
-----
Date: Fri, 02 Apr 93 14:01:39 GMT
From: newsgate.watson.ibm.com!yktnews.watson.ibm.com!watson!@uunet.uu.net
Subject: pmnos ver 1d
To: packet-radio@ucsd.edu
```

In <9304011637.AA24747@eecs1.eecs.usma.edu> dm8981@eecs1.EECS.USMA.EDU (Morgida Mark MAJ) writes:

```
>I recently downloaded pmnos version 1d from UCSD incoming directory
>but have been unable to unzip the file. PKUNZIP reports 'compression
>method unknown.'
>
>How do I unzip this file? Any help would be appreciated. 73, Mark. aa2ma.
>
>Mark Morgida
```

Mark,

I recall that Walt was shipping an OS/2 version of UNPACK that was supposed to be used to unpack his code. Look where you found the PMNOS file and see if there is an UNPACK program there too. I'm not sure why Walt didn't use the OS/2 version of PKZIP. His unpack file may be compatible with PKUNZIP, but I haven't really looked at it. I know that his UNPACK.EXE worked. Now that all of that is said... it may be called UNZIP.EXE. I know that it was UNsomething, but I don't remember what it was exactly.

```
73's de Jack - kf5mg
AX25net      - kf5mg@kf5mg.#dfw.tx.usa.na - (817) 962-4409
AMPRnet      - kf5mg@kf5mg.ampr.org       - 44.28.0.14
Internet     - kf5mg@vnet.ibm.com
```

Date: Fri, 2 Apr 1993 20:42:58 GMT
From: usc!elroy.jpl.nasa.gov!sdd.hp.com!ux1.cso.uiuc.edu!news.cso.uiuc.edu!
freeman@network.UCSD.EDU
Subject: pmnos ver 1d
To: packet-radio@ucsd.edu

You need to ftp to: ftp-os2.nmsu.edu

In the /pub/os2/2.x/archivers directory you will find the public domain
zip and unzip programs.

73, Jay

Date: Fri, 2 Apr 1993 14:17:29 GMT
From: psinntp!gdstech!gdstech!bat@uunet.uu.net
Subject: Request: Modification instructions for Radio Shack HTX-202.
To: packet-radio@ucsd.edu

It has been widely reported here on the net, that no mods to the
RS HT exist. One bogus mode had surfaced some time ago.

In order to reduce front-end overload ("intermod"), the radio
does not receive frequencies outside the 2 meter band.

--

* Pat Masterson D12-25 | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* Bethpage, NY 11746 | bat@gdstech.grumman.com *

Date: Fri, 02 Apr 93 23:19:30 MST
From: swrinde!zaphod.mps.ohio-state.edu!cs.utexas.edu!asuvax!ennews!stat!aznet!
dan@network.UCSD.EDU
Subject: Request: Modification instructions for Radio Shack HTX-202.
To: packet-radio@ucsd.edu

UMASP@MAINE.MAINE.EDU writes:

> I am making this post for my nephew who doesn't have access to Netnews.
> He currently has a Radio Shack HTX-202, 2-meter radio and was looking to
> make modifications. If anyone has any instructions for modifying the
>
> Thank you,
>

> George Newell
> umasp@maine.maine.edu
> umasp@maine.bitnet

There are *NO MODS* for the HTX-202, the previous mentions of mods were proven to be false. A friend of mine is a technician for Tandy service and he services that particular radio, he has found no way of modifying it as of yet.

Dan

Internet: dan@aznet.stat.com
Ax.25: n7mrp@n7mrp.az.usa.na
Voice: (602) 902-8022

Date: Fri, 2 Apr 1993 13:58:47 GMT
From: sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.UCSD.EDU
Subject: RFD: rec.radio.amateur reorganization [discussion summary 3/31]
To: packet-radio@ucsd.edu

For what it is worth, if we were voting, I'd say NO to option one (too many groups with too many "precise" definitions to follow).

I'd vote YES to option two as the fewer the number of groups to cover the area the better (IMHO).

I _still_ believe the two "digital" subgroups belong on the same logical level as other r.r.a. groups i.e. r.r.a.tcpip and r.r.a.digi_misc (or some such name).

I do NOT believe we need/want a separate flame group.

Cheers & 73 Ed Humphries N5RCK
Hewlett-Packard NARC Atlanta GA
edh@hpuerca.atl.hp.com

Date: 3 Apr 93 05:28:18 GMT
From: news-mail-gateway@ucsd.edu
Subject: UART identifier
To: packet-radio@ucsd.edu

I just uploaded a UART identifier to ucsd.edu, in file

hamradio/packet/tcpip/incoming/is16550.zip.

Please Brian, put it in what directory you think most suitable.

73 Costas

```
-----  
|   Dr. K. Krallis, SV1XV *  
|   -----  
|   Internet:  kkrallis@leon.nrcps.ariadne-t.gr      [143.233.2.1]  
|   Packet radio: sv1xv@sv1uy.ath.grc.eu  
|   AMPRnet:   sv1xv@sv1xv.ampr.org                 [44.154.1.11]  
|   Snail Mail: P.O.BOX 3066, GR-10210 Athens, GREECE  
|   -----  
-----
```

```
-----  
Date: 31 Mar 93 06:13:13 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!sgiblab!  
adagio.panasonic.com!chorus.mei!oskgate0.mei!icspub!taeko!oigw!gennygw!jh1ynw!  
marina!kohjin@network.UCSD.EDU  
To: packet-radio@ucsd.edu
```

References <1993Mar29.154951.28974@sco.com>, <1993Mar30.162731.6508@ke4zv.uucp>,
<1pa94j\$2i5@agate.berkeley.edu>oru
Subject : Re: Using UNIX & packet?

In article <1pa94j\$2i5@agate.berkeley.edu> marc@remarque.berkeley.edu (Marc DeGroot) writes:
>In article <1993Mar30.162731.6508@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman) writes:

Most of good stuff deleted.

>There is an AX.25 driver available somewhere on the net (try ucsd.edu)
>for Sun boxes. You link it into the kernel and it runs. My understanding
>is that it talks straight to a KISS TNC, though I haven't played with it
>myself.

I've ftpied the driver from ucsd.edu and it compiles and linked into
Sun4/IPC SunOS 1.4.1 kernel no problem.

However, the following errors generate;

```
kohjin@cosmos 539% ./ax25 -v jr1ede-1 jr1ede-1 /dev/ttyd1  
popping module: ttcompat  
popping module: ldterm  
pushing module: ax25
```

ioctl I_PUSH: Invalid argument
I followed README file included of course.
I would like to know if someone success in the driver?

>I also put a MUD (multi-user dungeon) program on the UNIX machine and the hams
>connected and played together.

What is a MUD? I've never seen in any FAQ.
Could you explain?

>--
>Marc de Groot (KG6KF) San Francisco |
>Internet: marc@kg6kf.ampr.org | "Penny for your thoughts, twenty
>UUCP: ..!uunet!hoptoad!noe!marc | cents for your paradigm."
>Packet radio: KG6KF @ K3MC |

I would like to send a e-mail to Mike K3MC.
Do you have his Internet address?

--
----/---- Kohjin Yamada, JR1EDE [kohjin@marina.prug.or.jp]
Q-----T-----H 504-55 Shimo-Yamaguchi, Hayama, Miura, Kanagawa, Japan
-----/|----- Phone:+81-468-75-6750 Fax/Modem/Voice:+81-468-76-1176

Date: 2 Apr 1993 16:16:43 GMT
From: ucsd.edu!brian@network.UCSD.EDU
To: packet-radio@ucsd.edu

References <efB803hDceof00@amdahl.uts.amdahl.com>,
<1993Apr1.135527.17472@hemlock.cray.com>, <130103Tucfst00@amdahl.uts.amdahl.com>
Subject : Re: RFD: rec.radio.amateur reorganization [discussion summary 3/31]

Or there are people who, like myself, don't believe in wasting energy
arguing with those who are already convinced they're doing the right
thing.

Simply put, I think your idea of splitting up the various ham radio groups
into splinter interests is bad. There's no use arguing fine points of
what splits would be appropriate; I believe that "none" is the correct
answer.

And so when you guys get through discussing the angelometrics of it,
and put it up for a vote, I'll do what counts - vote for or against it
at the real tally.

And that's why you don't have my pseudo-vote at this point.

- Brian

Date: 31 Mar 93 06:27:34 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!sgiblab!
adagio.panasonic.com!chorus.mei!oskgate0.mei!icspub!taeko!oigw!gennygw!jh1ynw!
marina!kohjin@network.UCSD.EDU
To: packet-radio@ucsd.edu

References <1993Mar29.154951.28974@sco.com>, <1993Mar30.162731.6508@ke4zv.uucp>,
<1993Mar30.161648.11382@hemlock.cray.com>s
Subject : Re: Using UNIX & packet?

In article <1993Mar30.161648.11382@hemlock.cray.com> andyw@aspen32.cray.com (Andy Warner) writes:

[Good stuff deleted...]

>Examples in use here in Mpls include :-
>
>A KA-Node clone running under Unix.
>A PBBS mail interface running under Unix (written in Perl).
>Ax.25 access to the callsign server running under Unix.
>Ax.25 access to the tcp converse bridge.
>etc etc
>
>I've got a shar file lying around somewhere if folks are interested.

Andy,

I've been looking forward to KA9Q NET/NOS for Unix.
At last I've found wampes-930305.tar.Z and related files in ucsd.edu.
It compiles and runs in Sun4/IPC platform even if it's written for Linux.

Please go ahead and upload them, it will be very much appreciated!

--
----/---- Kohjin Yamada, JR1EDE [kohjin@marina.prug.or.jp]
Q-----T-----H 504-55 Shimo-Yamaguchi, Hayama, Miura, Kanagawa, Japan
-----/|----- Phone:+81-468-75-6750 Fax/Modem/Voice:+81-468-76-1176

End of Packet-Radio Digest V93 #88
